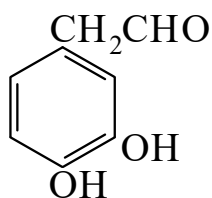




>>Entry Name: 3,4-Dihydroxyphenylacetaldehyde

Synonym(s): 3,4-Dihydroxybenzeneacetaldehyde, 9Cl. Homoprotocatechualdehyde. Dopaldehyde. Dopal



CAS Registry Number: 5707-55-1

Type of Compound Code(s): VG0050

Molecular Formula: C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>

Molecular Weight: 152.149

Accurate Mass: 152.047345

Percentage Composition: C 63.15%; H 5.30%; O 31.55%

Biological Source: Metab. of 2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid [HHZ68-O](#). Constit. of leaves of *Plectranthus caninus*

Melting Point: Mp 110-112°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Cryst. (EtOH)

Melting Point: Mp 169-170°

>>Derivative: Semicarbazone

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 198-200°

>>Derivative: 3-Me ether

Synonym(s): 4-Hydroxy-3-methoxyphenylacetaldehyde. Homovanillin

CAS Registry Number: 5703-24-2

Molecular Formula: C<sub>9</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Physical Description: Prisms (CCl<sub>4</sub>)

Melting Point: Mp 50-50.5°

Boiling Point: Bp<sub>2</sub> 147-149°

>>Derivative: 3-Me ether, oxime

Molecular Formula: C<sub>9</sub>H<sub>11</sub>NO<sub>3</sub>

Molecular Weight: 181.191

Accurate Mass: 181.073894

Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%

Melting Point: Mp 115°

>>Derivative: 3-Me ether, Ac

Molecular Formula: C<sub>11</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 208.213

Accurate Mass: 208.07356

Percentage Composition: C 63.45%; H 5.81%; O 30.74%

Boiling Point: Bp<sub>2</sub> 140-145°

>>Derivative: 4-Me ether

Synonym(s): 3-Hydroxy-4-methoxyphenylacetaldehyde. Homoisovanillin

CAS Registry Number: 5703-23-1

Molecular Formula: C<sub>9</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Boiling Point: Bp<sub>0.2</sub> 117-122°